

Fig. 1

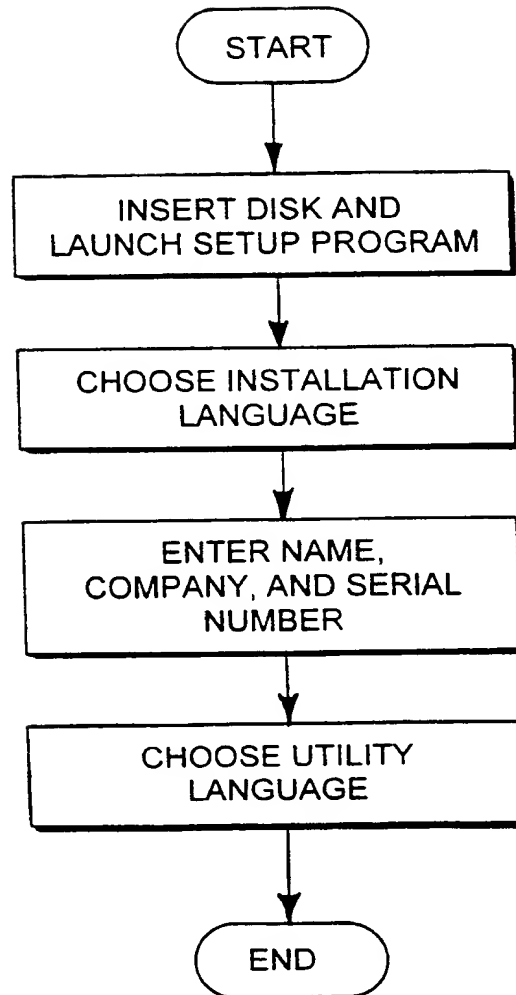
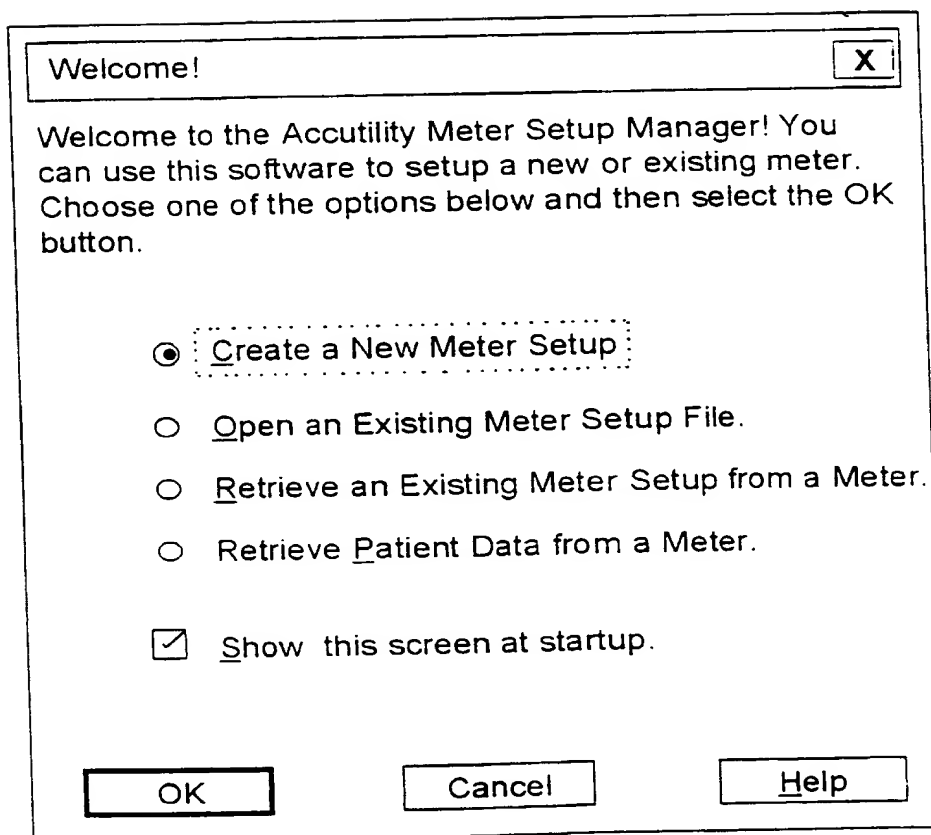


Fig. 2

*Fig. 3*

4/44

Fig. 4

Meter Setup Wizard -

Instructions on what to do on each screen appear here.

Interaction

< Back   Next >   Cancel   Help

Fig. 5

Meter Setup Wizard - Personal Information

Enter the Patient and Healthcare Provider Information below.

The Patient ID may be a number or a name that is up to 20 characters in length.

Patient Information

Name:

ID:

Healthcare Provider Information:

Healthcare Computer Phone Number:

< Back   Next >   Cancel   Help

5/44

Fig. 6

Meter Setup Wizard - Glucose Units/Ranges

Units of Measure  
Glucose: ☒ mg/dL ☐ mmol/L

Glucose Limits  
Upper Limit:  mg/dL  
Lower Limit:  mg/dL  
Hypo:  mg/dL

< Back Next > Cancel Help

Fig. 7

Meter Setup Wizard - Insulin Type

Select up to three Insulin Types. These will be the only types available in the meter.

Check the Insulin Logging box if you want to record insulin information in your meter.

☐ Insulin Logging Enabled for Meter Setup

Insulin Types  
Insulin Type 1:  Insulin Type 2:  Insulin Type 3:

Insulin Increment:  
☒ Tenth Unit ☐ Half Unit ☐ Whole Unit

< Back Next > Cancel Help

**Meter Setup Wizard - Time Blocks**

Time Block information is contained in the list below.

The minimum time span for a Time Block is 1/2 hour.

Editing the start time of a Time Block automatically adjusts the end time of the previous Time Block. No Time gaps are allowed between Time Blocks.

To edit an existing Time Block, select the Time Block and press the Edit button, or double click on the Time Block entry in the list.

Time Block Name	3 Letter Name	Start Time	End Time	Duration
Breakfast	Brk	6:00 AM	8:59 AM	3.0
Midmorning	Mmo	9:00 AM	11:59 AM	3.0
Lunch	Lun	12:00 PM	2:59 PM	3.0
Midafternoon	Maf	3:00 PM	5:59 PM	3.0
Dinner	Din	6:00 PM	7:59 PM	2.0
Evening	Eve	8:00 PM	9:59 PM	2.0
Bed time	Bed	10:00 PM	2:59 AM	5.0
Night time	Ngt	3:00 AM	5:59 AM	3.0

Edit...

< Back    Next >    Cancel    Help

Fig. 9

**Meter Setup Wizard - Event Markers**

Select up to 15 Event Markers to add to the Meter Setup

The Events will appear in the meter in the order they appear in the 'Events To Load Into Meter' list.

You have selected 15 Events

S	Available Events	Events to Load into Meter
	Active	Before Meal
	After Breakfast	After Meal
	After Dinner	Fasting
	After Exercise	Snack
	After Lunch	Feel Hypo.
	After Meal	Before Exercise
	Bed Time	After Exercise
	Before Breakfast	Illness
	Before Dinner	Invalid Test
	Before Exercise	Other's Result
	Before Lunch	User Defined
	Before Meal	Stress
	Cold Outdoors	L1 Control
	Different Food	L2 Control
	Drank Alcohol	Oral Medication

Add >    < Remove

S = Selected Event Markers

< Back    Next >    Cancel    Help

Fig. 8

7/44

Fig. 10

Time Block Information X

Three Letter Name: Brk

Start time: 6:00 AM End Time: 8:59 AM

Customize Time Block

Insulin Type 1: <None> Dose 0.0

Insulin Type 2: <None> Dose 0.0

Insulin Type 3: <None> Dose 0.0

Exercise Type: <None> Duration: 0.00

Carbohydrates: 0 grams

Event 1: No Event Event 3: No Event

Event 2: No Event Event 4: No Event

Fig. 11

Meter Setup Wizard - Insulin Pump Profile

Check the Insulin Pump Logging box is you want to record Insulin Pump Information in your meter:

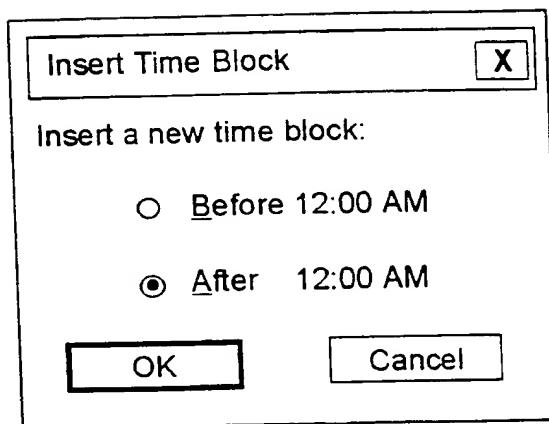
☐ Insulin Pump Logging Enabled in Meter Setup

Type of Insulin: <None>

Profile Start Date 11/09/98 Profile Start Time 2:50 PM

Time Block Name	Start Time	End Time	Pump Rate
Time Block #1	12:00 AM	11:59 PM	0.0

8/44



A dialog box titled "Insert Time Block" with a close button (X) in the top right corner. The text "Insert a new time block:" is followed by two radio button options: "Before 12:00 AM" and "After 12:00 AM". The "After 12:00 AM" option is selected. At the bottom are "OK" and "Cancel" buttons.

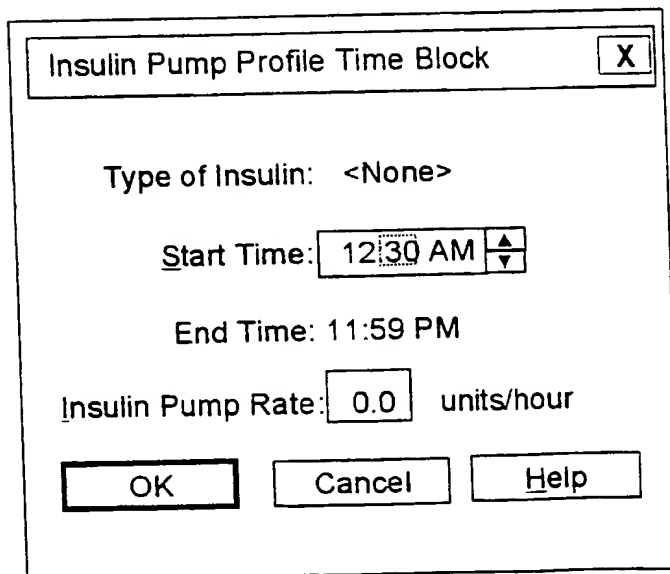
Insert Time Block [X]

Insert a new time block:

☐ Before 12:00 AM

☒ After 12:00 AM

OK Cancel

*Fig. 12*

A dialog box titled "Insulin Pump Profile Time Block" with a close button (X) in the top right corner. It contains several fields: "Type of Insulin:" with a dropdown menu showing "<None>", "Start Time:" with a time input field showing "12:30 AM" and a spin button, "End Time:" with a text field showing "11:59 PM", and "Insulin Pump Rate:" with a numeric input field showing "0.0" and the unit "units/hour". At the bottom are "OK", "Cancel", and "Help" buttons.

Insulin Pump Profile Time Block [X]

Type of Insulin: <None>

Start Time: 12:30 AM [spin button]

End Time: 11:59 PM

Insulin Pump Rate: 0.0 units/hour

OK Cancel Help

*Fig. 13*



Fig. 14

Meter Setup Wizard - Misc. Options

Select the appropriate Meter Customization Options

Decimal Format ☐ Comma [,] ☒ Period [.]

Time Format ☐ 24 Hour ☒ 12 Hour

Date Format ☐ dd-mm-yy ☒ mm-dd-yy

Meter Back Light ☐ Off ☒ On

Beeper ☐ Off ☒ On

< Back Next > Cancel Help

Fig. 15

Meter Setup Wizard - Languages

Select four Languages for the Meter Setup.

Languages

- ☐ Dutch
- ☒ English
- ☒ French
- ☒ German
- ☐ Italian
- ☒ Spanish
- ☐ Swedish

< Back Next > Cancel Help

10/44

Fig. 16

**Meter Setup Wizard - Tip Messages**

Select 10 Tip Messages to add to the Meter Setup from the list below.  
To add Custom Tip Messages to the list below, select the 'Custom' button

☒ Tip Messages Enabled for Meter Setup

You have selected 10 Tip Messages.

S	C	Available Tip Messages
✓		Check your feet daily
✓		Choose a nutrition goal you can already do
✓		Choose an exercise goal you can already do
✓		Exercise helps keep your blood sugars in range
✓		Exercise is important for good diabetes management
✓		Exercise makes you more fit
		Ketones provide you with important information
		See your dentist every six months
✓		See your diabetes educator regularly
✓		See your doctor regularly
✓		See your eye doctor annually
✓		Tailor goals to fit your own lifestyle

S = Selected Tip Messages  
C = Custom Tip Messages

Custom...

< Back    Next >    Cancel    Help

Fig. 17

**Custom Tip Messages** [X]

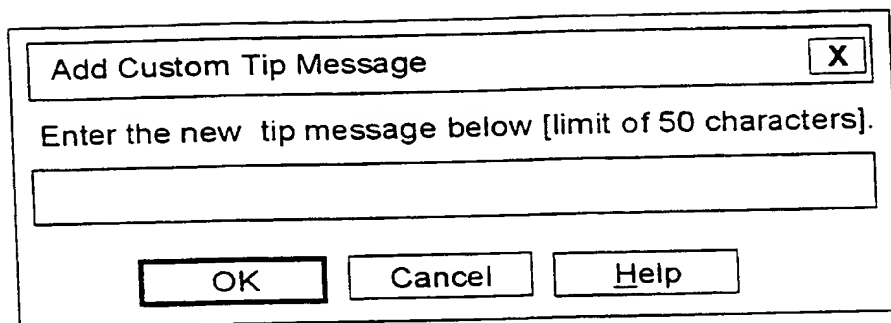
Custom Tip Messages List:

new tip message
new tip message ddd

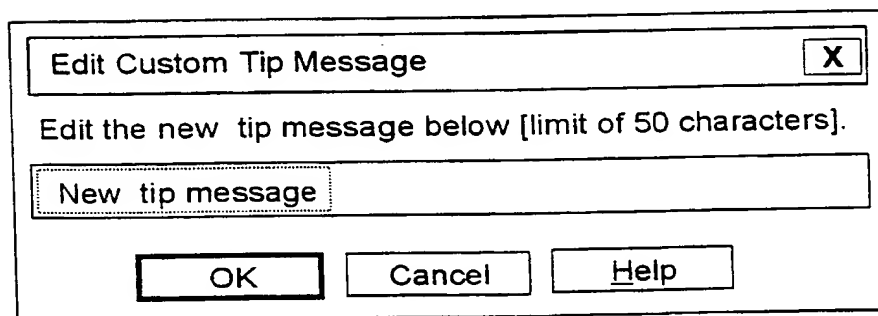
Add...  
Edit...  
Remove

Close  
Help

11/44

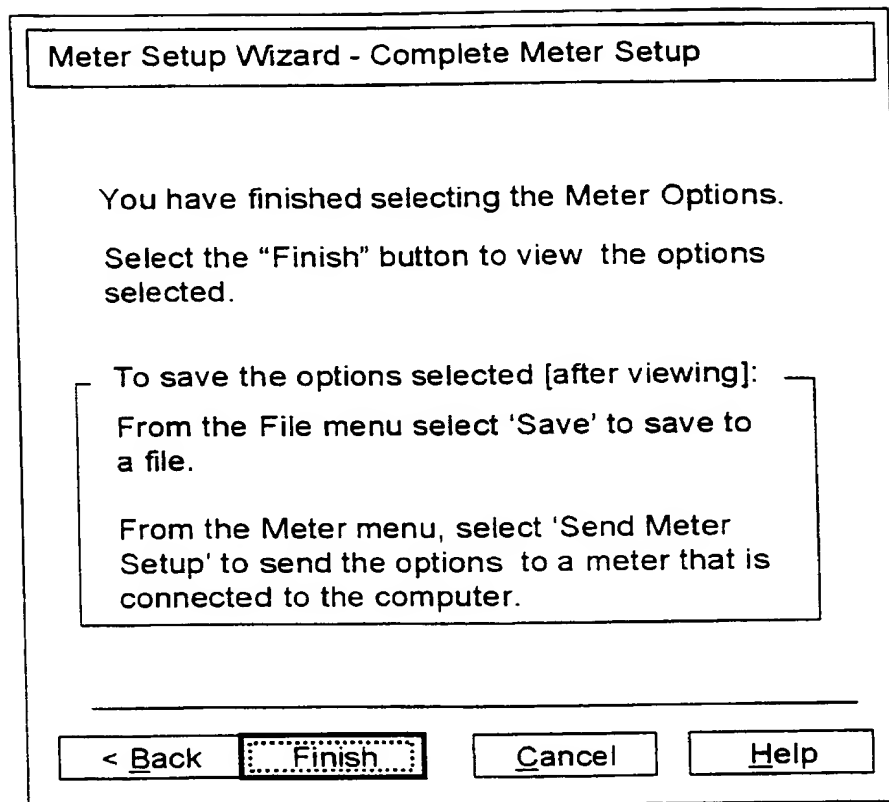


A dialog box titled "Add Custom Tip Message" with a close button (X) in the top right corner. Below the title bar, the text "Enter the new tip message below [limit of 50 characters]." is displayed. Underneath this text is a single-line text input field. At the bottom of the dialog box are three buttons: "OK", "Cancel", and "Help".

*Fig. 18*

A dialog box titled "Edit Custom Tip Message" with a close button (X) in the top right corner. Below the title bar, the text "Edit the new tip message below [limit of 50 characters]." is displayed. Underneath this text is a text input field with the placeholder text "New tip message". At the bottom of the dialog box are three buttons: "OK", "Cancel", and "Help".

*Fig. 19*

*Fig. 20*

13/44

**-Accutivity Meter Setup Manager**

File Meter View Help

Summary of Meter Setup  
(Select underlined text to make changes)

**Personal:**

Patient Name	John Smith
Patient ID	default
Healthcare Computer	
Phone Number	default

**Glucose Units/Ranges:**

Units of Measure	mg/dL
Upper Limit	0
Lower Limit	0
Hypo	0

**Insulin Type:**

Insulin Logging	Disabled
Insulin Type 1	< None >
Insulin Type 2	< None >
Insulin Type 3	< None >
Insulin Increments	0.1 units

**Event Markers:**

Before Meal  
After Meal  
Fasting

For Help, press F1

Fig. 21

14/44

Fig. 22

Instructions on what to do on each screen appear here.

Interaction

OK Cancel Apply Help

Fig. 23

Accutivity Meter Setup Manager

Time Block Insulin Pump Profile Misc Options Language Tip Messages

Personal Glucose Units/Ranges Insulin Type Event Markers

Enter the Patient and Healthcare Provider Information below.

The Patient ID may be a number or a name that is up to 20 characters in length.

Patient Information

Name: John Smith

ID: default

Healthcare Provider Information:

Healthcare Computer Phone Number: default

OK Cancel Help

15/44

Fig. 24

Accutivity Meter Setup Manager X

Time Block | Insulin Pump Profile | Misc Options | Language | Tip Messages

Personal | Glucose Units/Ranges | Insulin Type | Event Markers

Units of Measure

Glucose: ☒ mg/dL ☐ mmol/L

Glucose Limits

Upper Limit:  mg/dL

Lower Limit:  mg/dL

Hypo:  mg/dL

OK Cancel Help

Fig. 25

Accutivity Meter Setup Manager X

Time Block | Insulin Pump Profile | Misc Options | Language | Tip Messages

Personal | Glucose Units/Ranges | Insulin Type | Event Markers

Select up to three Insulin Types. These will be the only types available in the meter.

Check the Insulin Logging box if you want to record insulin information in your meter.

☐ Insulin Logging Enabled for Meter Setup

Insulin Types

Insulin Type 1:  Insulin Type 2:  Insulin Type 3:

Insulin Increment:

☒ Tenth Unit ☐ Half Unit ☐ Whole Unit

OK Cancel Help

16/44

Accutivity Meter Setup Manager X

Time Block | Insulin Pump Profile | Misc Options | Language | Tip Messages

Personal | Glucose Units/Ranges | Insulin Type | Event Markers

Select up to 15 Event Markers to add to the Meter Setup

The Events will appear in the meter in the order they appear in the 'Events To Load Into Meter' list.

You have selected 15 Events

S	Available Events ▲		Events to Load into Meter
	Active		Before Meal
	After Breakfast		After Meal
	After Dinner		Fasting
✓	After Exercise	Add >	Snack
	After Lunch		Feel Hypo.
✓	After Meal	<Remove	Before Exercise
	Bed Time		After Exercise
	Before Brekfast		Illness
	Before Dinner		Invalid Test
✓	Before Exercise		Other's Result
	Before Lunch		User Defined
✓	Before Meal		Stress
	Cold Outdoors		L1 Control
	Different Food		L2 Control
	Drank Alcohol ▼		Oral Medication

S = Selected Event Markers

OK Cancel Help

Fig. 26



17/44

Accutivity Meter Setup Manager X

Time Block information is contained in the list below.

The minimum time span for a Time Block is 1/2 hour.  
Editing the start time of a Time Block automatically  
adjusts the end time of the previous Time Block. No  
Time gaps are allowed between Time Blocks.

To edit an existing Time Block, select the Time Block and  
press the Edit button, or double click on the Time Block  
entry in the list.

Time Block Name	3 Letter Name	Start Time	End Time	Duration
Breakfast	Brk	6:00 AM	8:59 AM	3.0
Midmorning	Mmo	9:00 AM	11:59 AM	3.0
Lunch	Lun	12:00 PM	2:59 PM	3.0
Midafternoon	Maf	3:00 PM	5:59 PM	3.0
Dinner	Din	6:00 PM	7:59 PM	2.0
Evening	Eve	8:00 PM	9:59 PM	2.0
Bed time	Bed	10:00 PM	2:59 AM	5.0
Night time	Ngt	3:00 AM	5:59 AM	3.0

Fig. 27

Time Block Information X

Three Letter Name: Brk

Start time: 6:00 AM ▲▼ End Time: 8:59 AM

Customize Time Block

Insulin Type 1: <None>	Dose	0.0
Insulin Type 2: <None>	Dose	0.0
Insulin Type 3: <None>	Dose	0.0

Exercise Type: <None> ▼ Duration: 0:00 ▲▼

Carbohydrates: 0 grams

Event 1: No Event <span>▼</span>	Event 3: No Event <span>▼</span>
Event 2: No Event <span>▼</span>	Event 4: No Event <span>▼</span>

OK Cancel Help

Fig. 28

19/44

Accutivity Meter Setup Manager [X]

Personal Glucose Units/Ranges Insulin Type Event Markers  
Time Block Insulin Pump Profile Misc Options Language Tip Messages

Check the Insulin Pump Logging box is you want to record Insulin Pump Information in your meter:

☒ Insulin Pump Logging Enabled in Meter Setup

Type of Insulin: 10/90 ▼

Profile Start Date: 11/09/97 ▲▼ Profile Start Date: 2:50 PM ▲▼

Time Block Name	Start Time	End Time	Pump Rate
Time Block #1	12:00 AM	12:29 AM	0.0
Time Block #2	12:30 AM	11:59 PM	0.0

Insert Edit... Delete

OK Cancel Help

Fig. 29

20/44

Accutivity Meter Setup Manager X

Personal   Glucose Units/Ranges   Insulin Type   Event Markers  
Time Block   Insulin Pump Profile   Misc Options   Language   Tip Messages

Select the appropriate Meter Customization Options

Decimal Format ☐ Comma [,] ☒ Period [.]

Time Format ☐ 24 Hour ☒ 12 Hour

Date Format ☐ dd-mm-yy ☒ mm-dd-yy

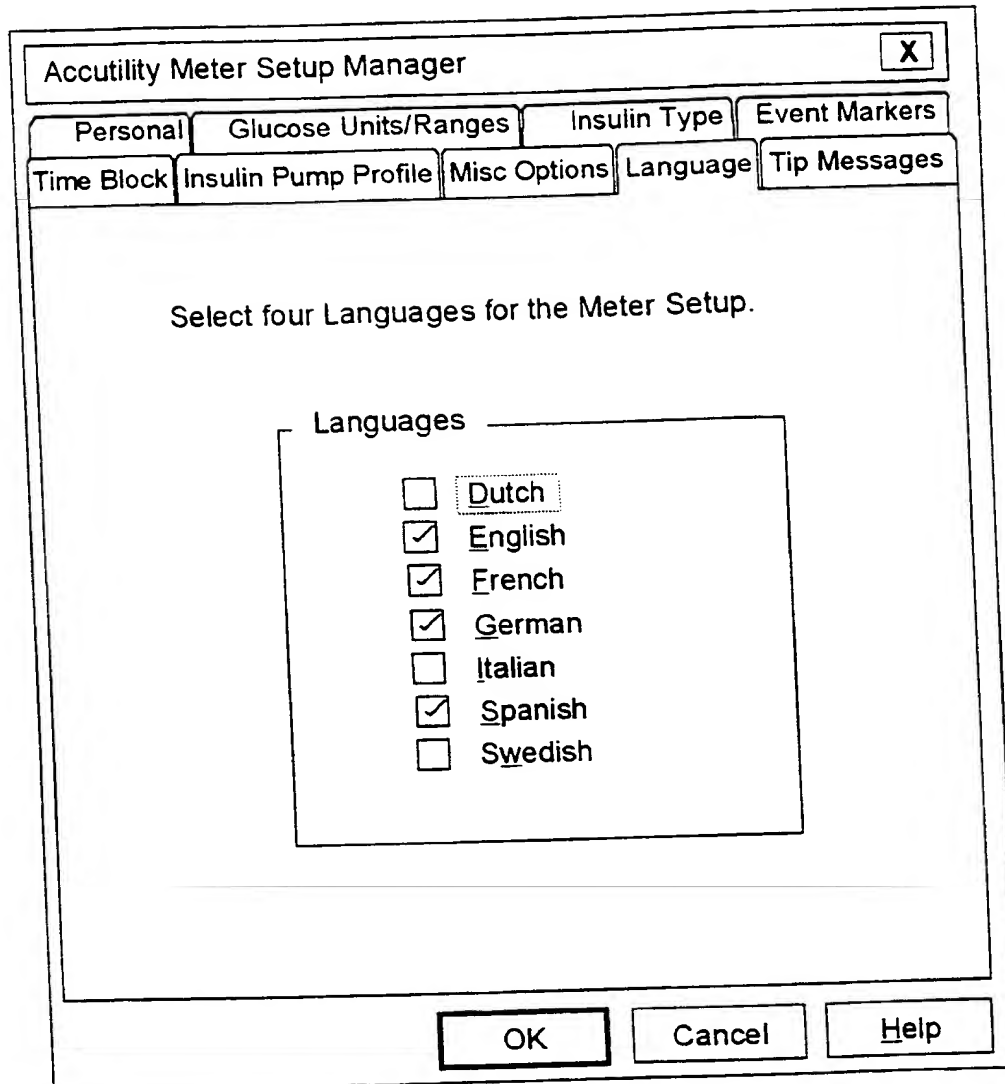
Meter Back Light ☐ Off ☒ On

Beeper ☐ Off ☒ On

OK   Cancel   Help

Fig. 30

21/44



The image shows a software dialog box titled "Accutivity Meter Setup Manager". It has a standard Windows-style title bar with a close button (X). Below the title bar is a tabbed interface with the following tabs: "Personal", "Glucose Units/Ranges", "Insulin Type", "Event Markers", "Time Block", "Insulin Pump Profile", "Misc Options", "Language", and "Tip Messages". The "Language" tab is currently selected. The main area of the dialog contains the instruction "Select four Languages for the Meter Setup." Below this is a list box titled "Languages" containing the following options with checkboxes: Dutch (unchecked), English (checked), French (checked), German (checked), Italian (unchecked), Spanish (checked), and Swedish (unchecked). At the bottom of the dialog are three buttons: "OK", "Cancel", and "Help".

Accutivity Meter Setup Manager

Personal Glucose Units/Ranges Insulin Type Event Markers

Time Block Insulin Pump Profile Misc Options Language Tip Messages

Select four Languages for the Meter Setup.

Languages

- ☐ Dutch
- ☒ English
- ☒ French
- ☒ German
- ☐ Italian
- ☒ Spanish
- ☐ Swedish

OK Cancel Help

*Fig. 31*

Accutivity Meter Setup Manager X

Personal
Glucose Units/Ranges
Insulin Type
Event Markers

Time Block
Insulin Pump Profile
Misc Options
Language
Tip Messages

Select 10 Tip Messages to add to the Meter Setup from the list below.  
To add Custom Tip Messages to the list below, select the 'Custom' button

☒ Tip Messages Enabled for Meter Setup

You have selected 10 Tip Messages.

S	C	Available Events
✓		Check your feet daily
✓		Choose a nutrition goal you can already do
✓		Choose an exercise goal you can already do
		Exercise helps keep your blood sugars in range
✓		Exercise is important for good diabetes management
✓		Exercise makes you more fit
		Ketones provide you with important information
		See your dentist every six months
✓		See your diabetes educator regularly
✓		See your doctor regularly
✓		See your eye doctor annually
✓		Tailor goals to fit your own lifestyle

S = Selected Tip Messages      Custom...

C = Custom Tip Messages

OK
Cancel
Help

Fig. 32

View Patient Report

X

Patient Name	Serial number	Received
John Smith	0005040225	

File Path:

View

Cancel

Browse...

Help

Fig. 33

View Patient Report Browser

Look in: Data

0005040225

File name:

Files of type: Patient Files (\*.pat)

View Cancel Help

*Fig. 34*



25/44

Print Patient Report		X
Patient Name	Serial number	Received
John Smith	0005040225	
File Path:		
<input type="text"/>		<input type="button" value="Print"/>
<input type="button" value="Browse..."/>		<input type="button" value="Cancel"/>
		<input type="button" value="Help"/>

*Fig. 35*

26/44

Print Patient Report Browser

Look in: Data

0005040225

File name:

Files of type: Patient Files (\*.pat)

Print

Cancel

Help

*Fig. 36*

27/44

Patient Name	Serial number
tracy	1230123456

Buttons: Add..., Edit..., Remove, Close, Help

*Fig. 37*

Patient Name:

Meter Serial Number:

Buttons: OK, Cancel, Help

*Fig. 38*

The image shows a software window titled "Options" with a close button (X) in the top right corner. Below the title bar are four tabs: "Report", "Settings", "New Meter Setup", and "Meter COM Port", followed by a "Startup" button. The "Report" tab is currently selected. Inside the "Report" tab, there is a section titled "Report Formats" containing a list of options with checkboxes: 

- ☒ Diary
- ☐ Glucose Values
- ☐ Trend
- ☐ Glucose Graph
- ☐ Average Trend
- ☐ Glucose Ranges
- ☐ Hypoglycemic Events

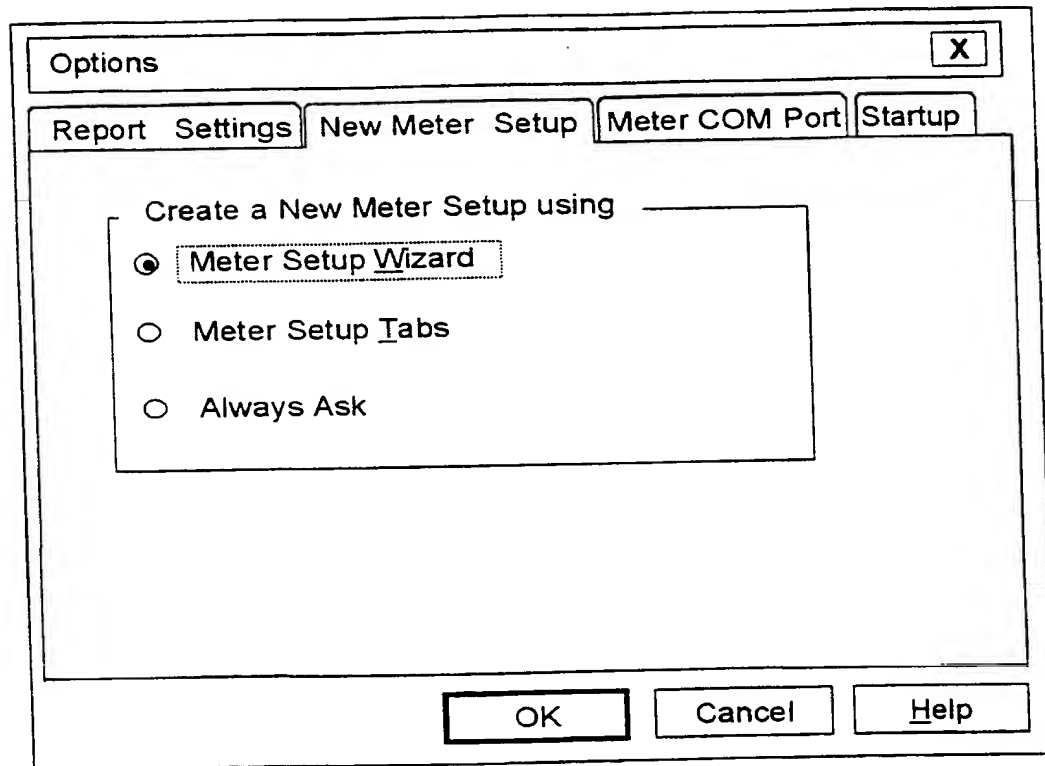
 To the right of this list, there is a label "Range for Average Trend. Glucose Ranges and Hypo Events reports" followed by a dropdown menu showing "48 hours" with a downward arrow. Below this, there is a section titled "Glucose Units" with two radio button options: 

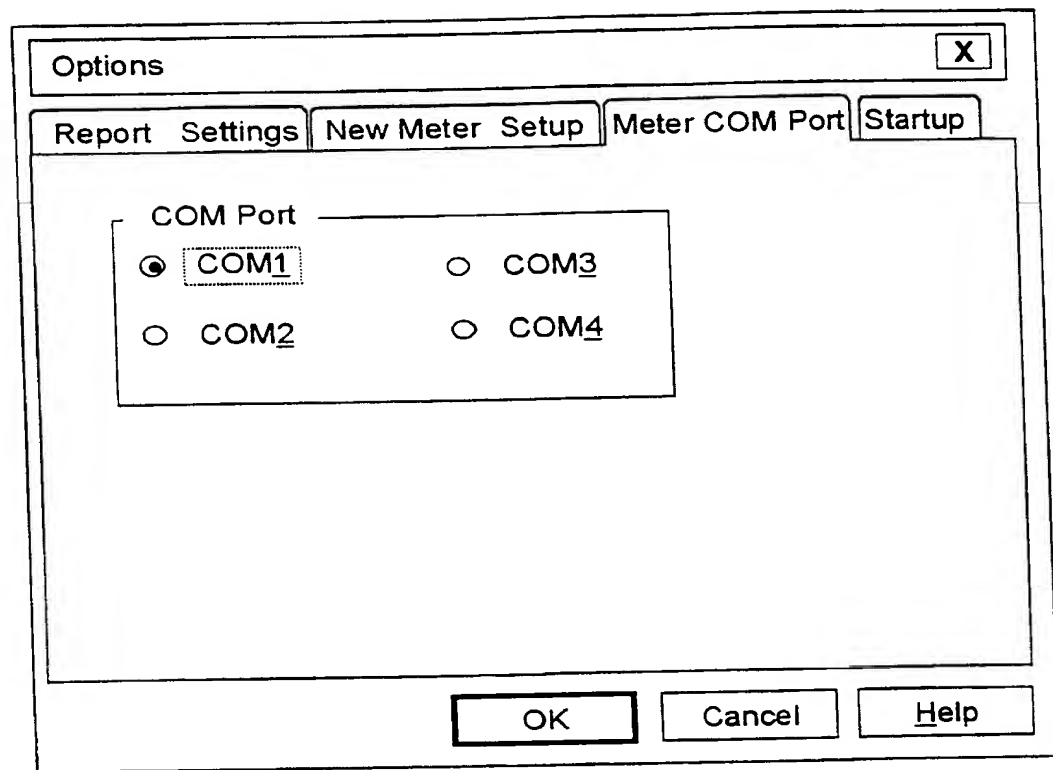
- ☒ mg/dL
- ☐ mmol/L

 At the bottom of the dialog box are three buttons: "OK", "Cancel", and "Help".

*Fig. 39*

29/44

*Fig. 40*



*Fig. 41*

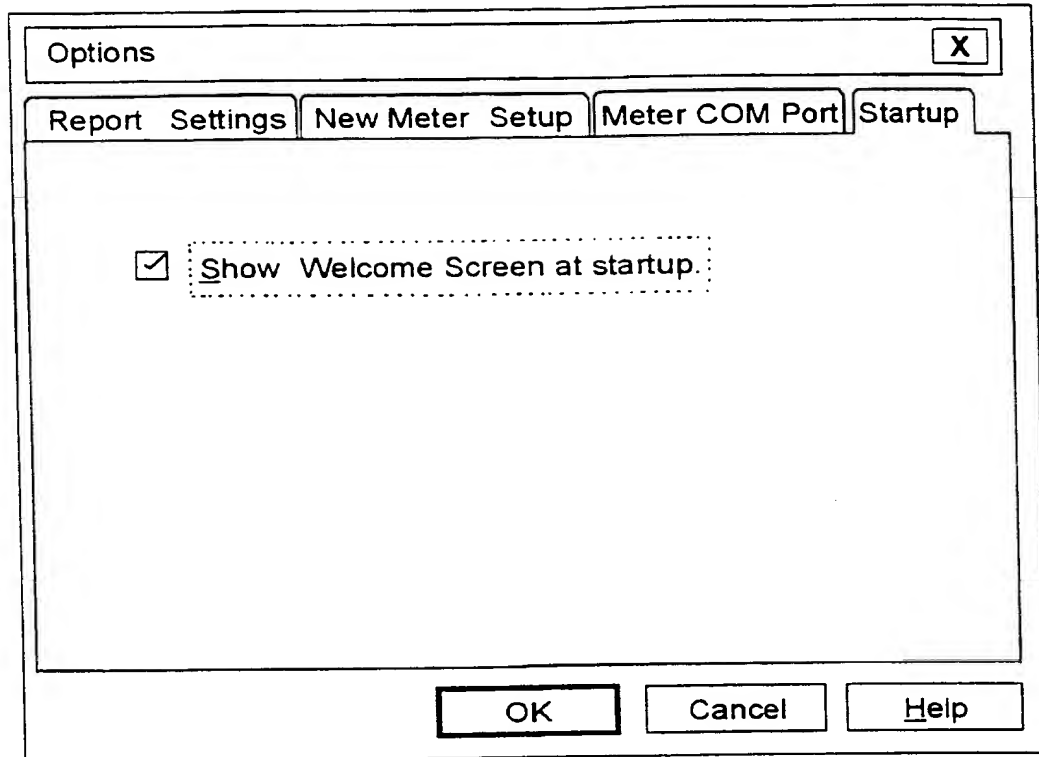


Fig. 42

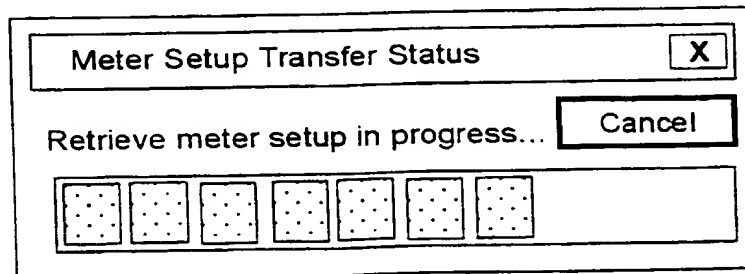


Fig. 43

Enter Patient Name X

The meter serial number has no corresponding patient name. Please enter the patient's name.

Meter Serial Number: 0005040225

Patient Name:

OK Cancel Help

*Fig. 44*



**Meter Date and Time** [X]

Computer Settings	Meter Settings
Date: 11/9/98 Time: 3:45 PM	Date: 11/9/98 Time: 3:46 PM

**Set Date and Time**

☒ Do not change Meter Settings

☐ Synchronize Meter Settings with Computer Settings

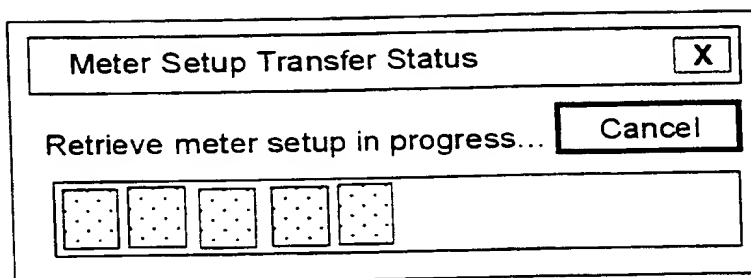
☐ Set new Meter Date and Time:

    Date: 11/09/98 [▲▼]

    Time: 3:45 PM [▲▼]

[OK] [Cancel] [Help]

*Fig. 45*



*Fig. 46*

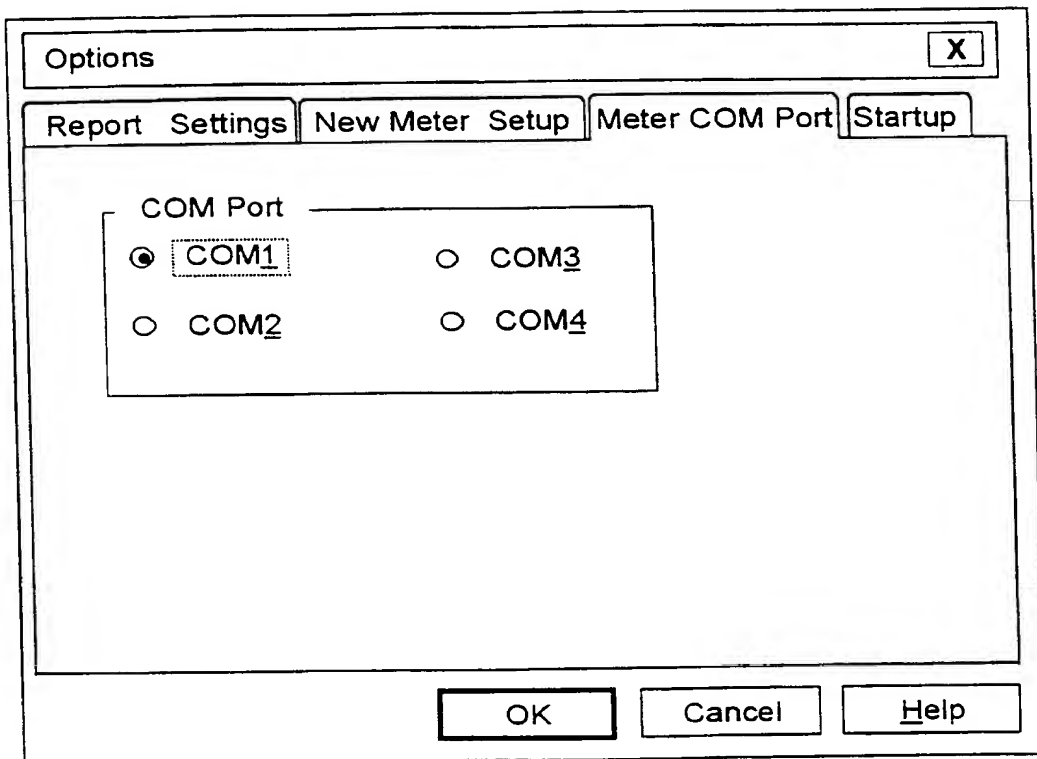


Fig. 47

Options [X]

Report Settings New Meter Setup Meter COM Port Startup

Report Formats

- ☒ Diary
- ☐ Glucose Values
- ☐ Trend
- ☐ Glucose Graph
- ☐ Average Trend
- ☐ Glucose Ranges
- ☐ Hypoglycemic Events

Range for Average Trend. Glucose Ranges and Hypo Events reports

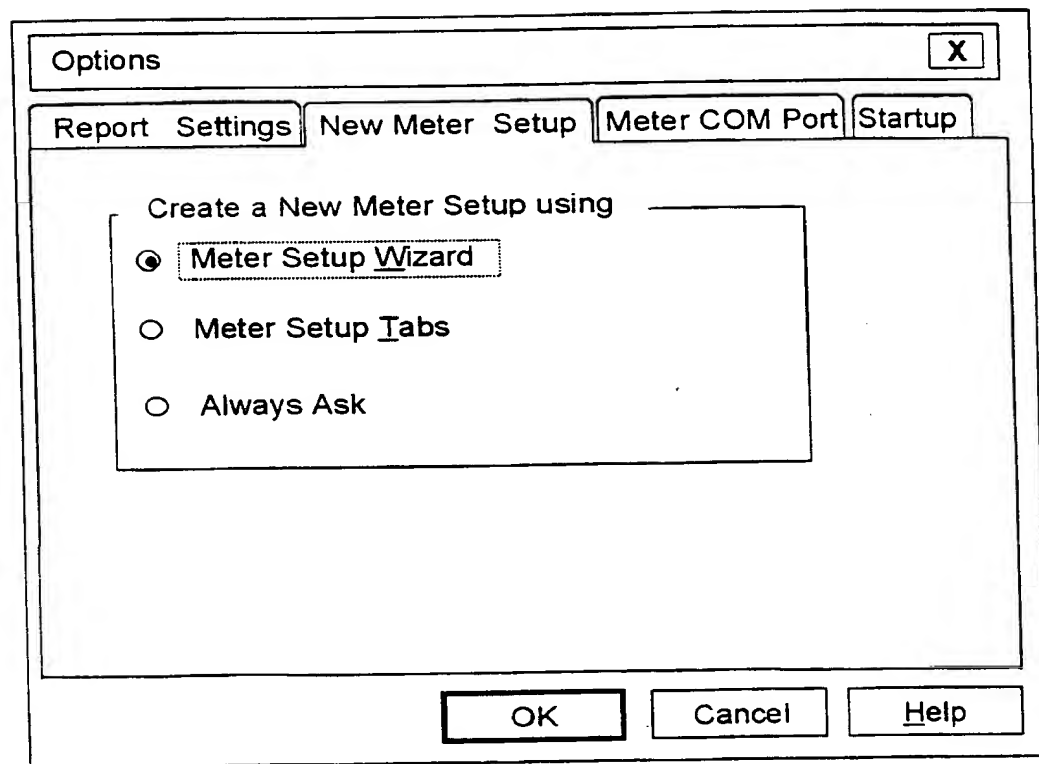
48 hours ▼

Glucose Units

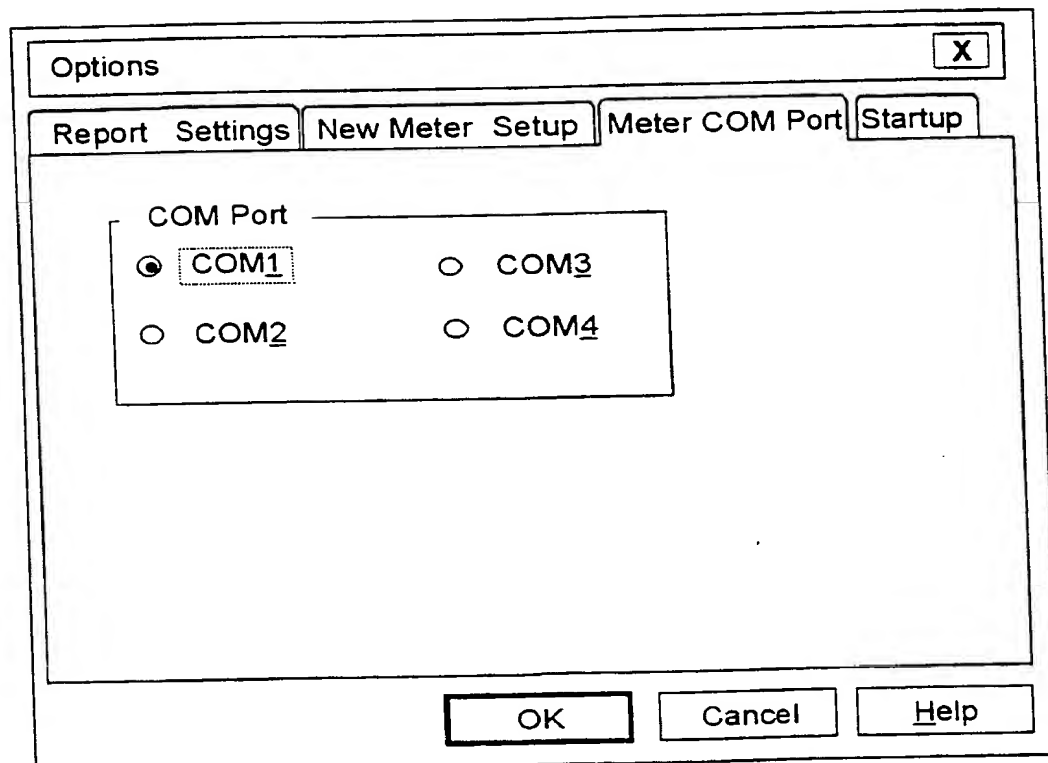
- ☒ mg/dL
- ☐ mmol/L

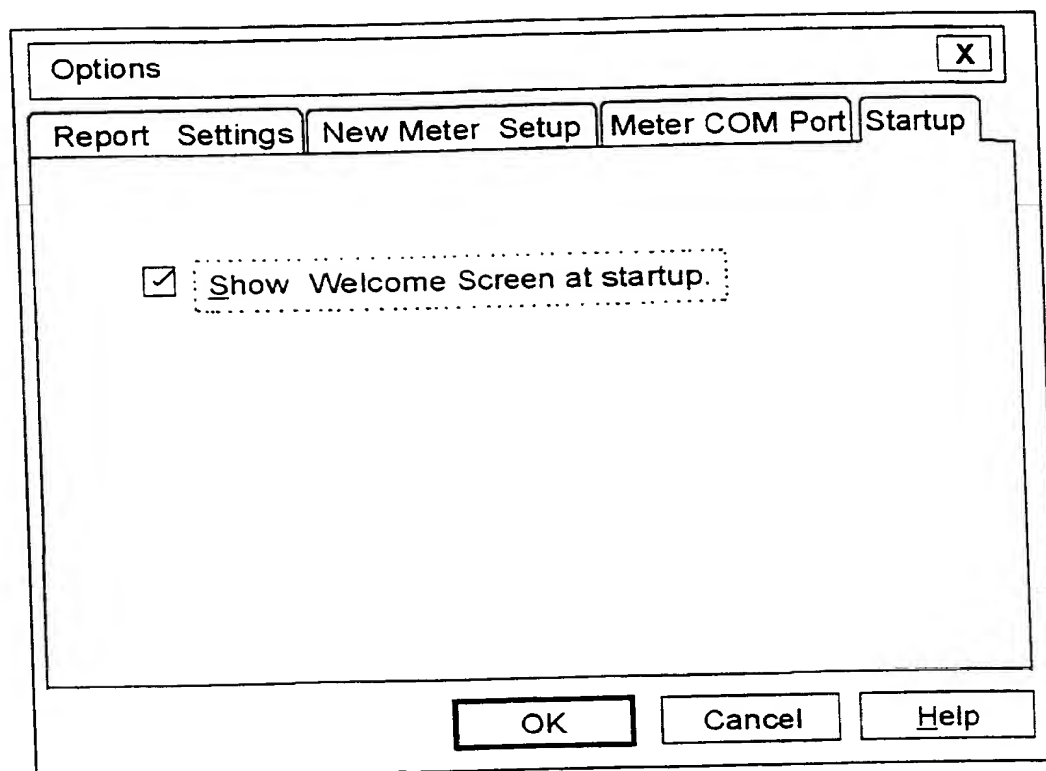
OK Cancel Help

*Fig. 48*

*Fig. 49*

38/44

*Fig. 50*

*Fig. 51*

40/44

Phone In Manager

File View Help

Recent Phone-ins

111111112	Tim Dishop	12/6/96	4:19 PM
111111111	Steve Moak	12/6/96	11:06 AM
111111111	Steve Moak	12/6/96	10:56 AM
111111111	Steve Moak	12/6/96	10:55 AM
1234567890	John Smith	12/5/96	10:45 AM

Print

View

☒ Auto Print

Phone Line Status

Line 1 Line 2 Line 3 Line 4

Details...

For Help, press F1

NUM

Fig. 52



WO 99/27849

41/44

- Patient Data Report

Close Print Settings... Help

Transfer Date/Time: 11/10/98 7:28 AM  
 Meter Serial Number: 0005040225  
 Patient Name: John Smith  
 Patient ID: default

Diary Report

Date	Time	Glucose (mg/dL)	Insulin Type	Insulin Dosage	Events	Other
1/16/98	7:30 AM	236	70/30	22.0	Before Meal	bG=high, Carbs=60g
1/16/98	12:28 PM	85			Before Meal	Carbs=60g
1/16/98	2:45 PM	179			After Meal	Carbs=30g
1/16/98	5:20 PM	314	Reg 70/30	2.0 8.0	Before Meal	bG=high, Carbs=60g
1/16/98	8:00 PM	250				bG=high
1/17/98	12:15 AM	275				bG=high
1/17/98	7:58 AM	151	70/30	22.0	Before Meal	Carbs=45g
1/17/98	10:00 AM	180			After Meal	Carbs=15g

Fig. 53

42/44

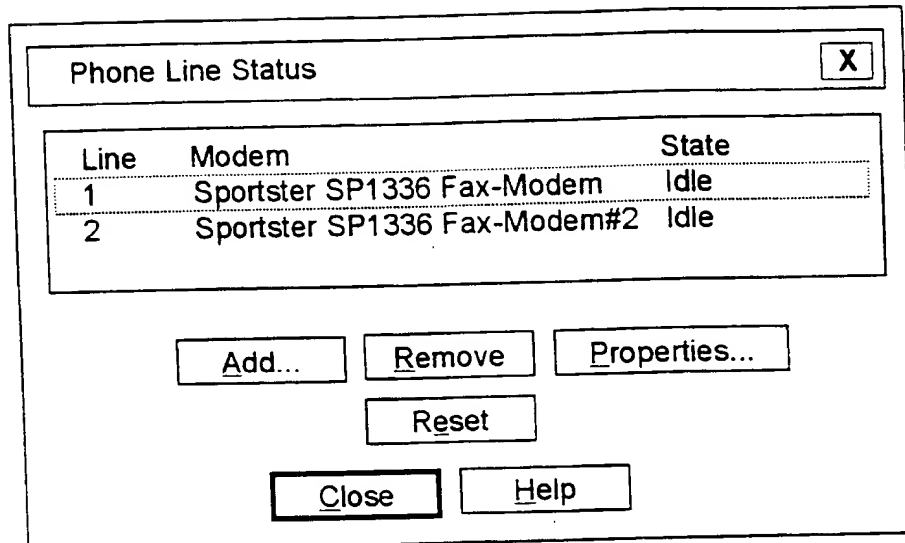
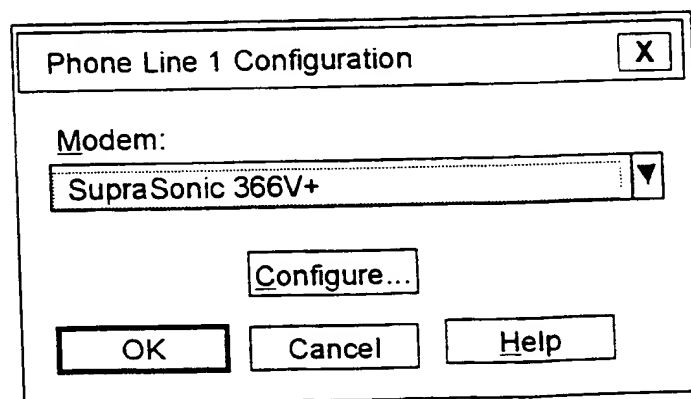
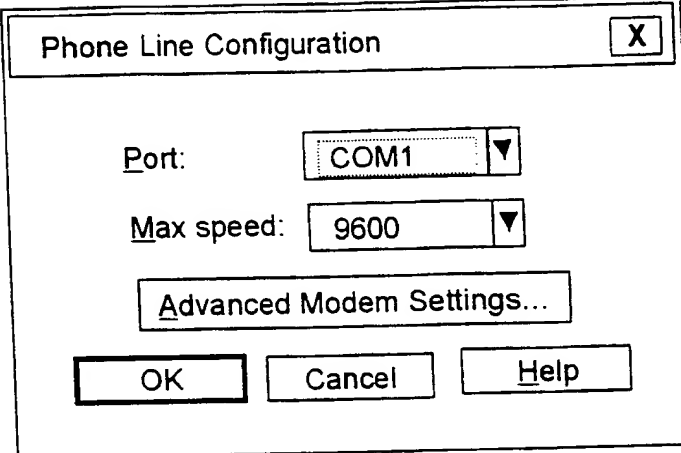
*Fig. 54**Fig. 55*

Fig. 56



Phone Line Configuration

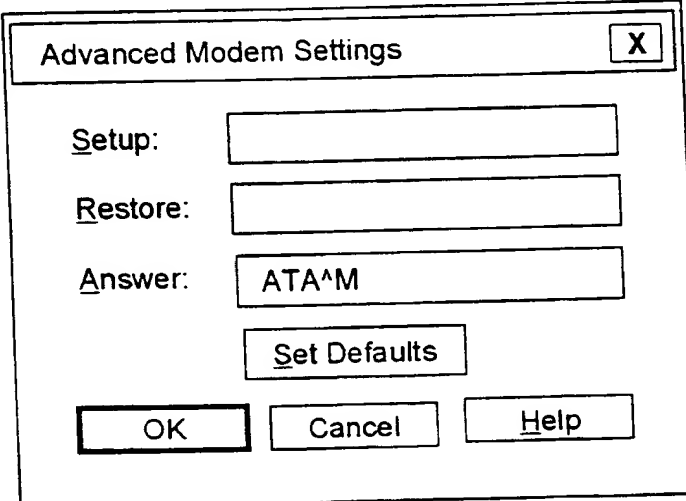
Port: COM1

Max speed: 9600

Advanced Modem Settings...

OK Cancel Help

Fig. 57



Advanced Modem Settings

Setup:

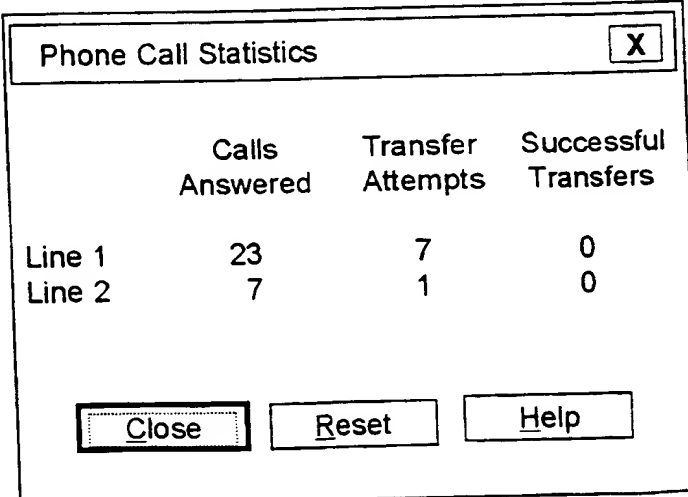
Restore:

Answer: ATA^M

Set Defaults

OK Cancel Help

Fig. 58

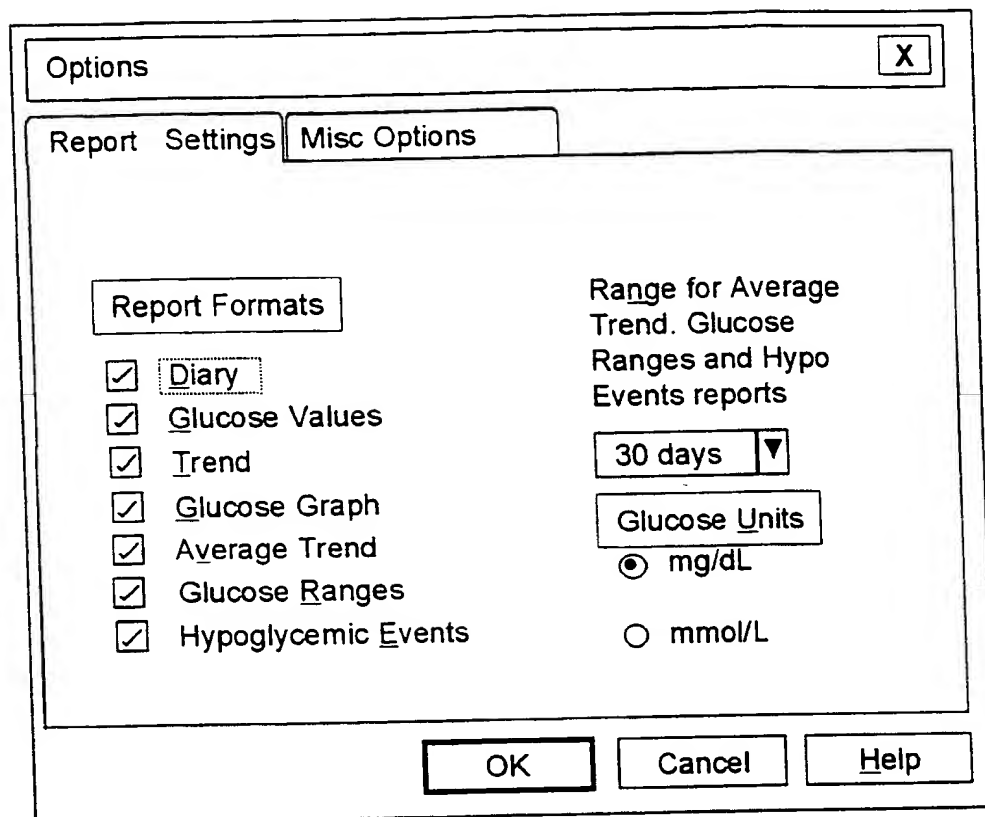


Phone Call Statistics

	Calls Answered	Transfer Attempts	Successful Transfers
Line 1	23	7	0
Line 2	7	1	0

Close Reset Help

Fig. 59



Options [X]

Report Settings Misc Options

Report Formats

- ☒ Diary
- ☒ Glucose Values
- ☒ Trend
- ☒ Glucose Graph
- ☒ Average Trend
- ☒ Glucose Ranges
- ☒ Hypoglycemic Events

Range for Average Trend, Glucose Ranges and Hypo Events reports

30 days ▼

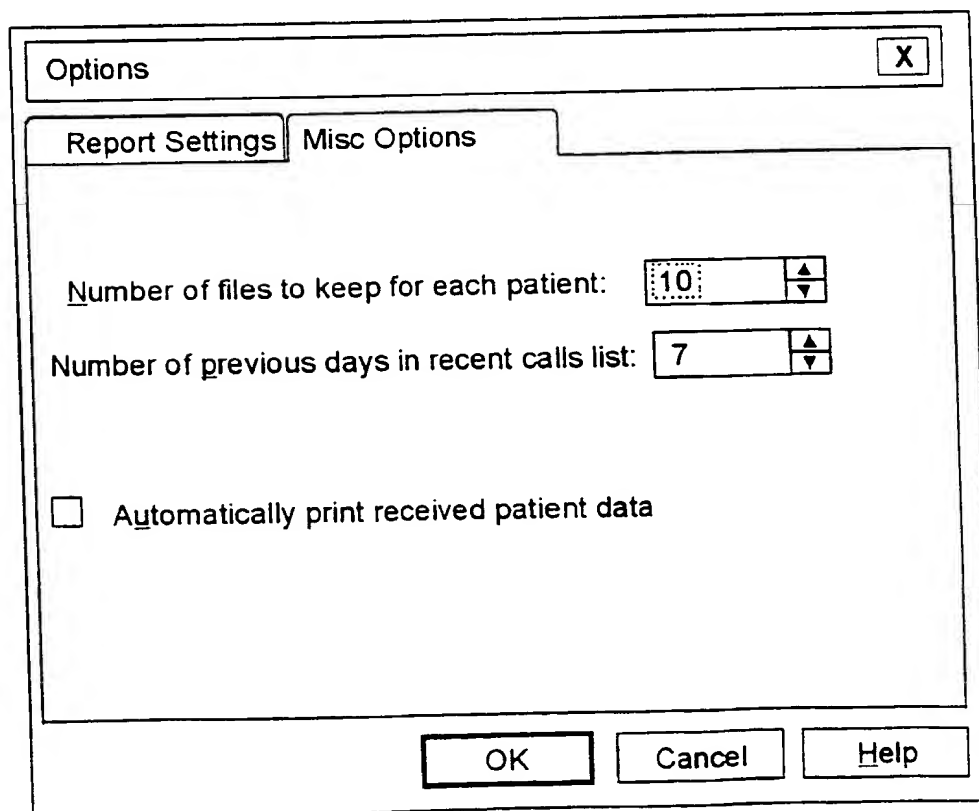
Glucose Units

☒ mg/dL

☐ mmol/L

OK Cancel Help

Fig. 60



Options [X]

Report Settings Misc Options

Number of files to keep for each patient: 10 ▲▼

Number of previous days in recent calls list: 7 ▲▼

☐ Automatically print received patient data

OK Cancel Help